

FIG. 1
PRIOR ART

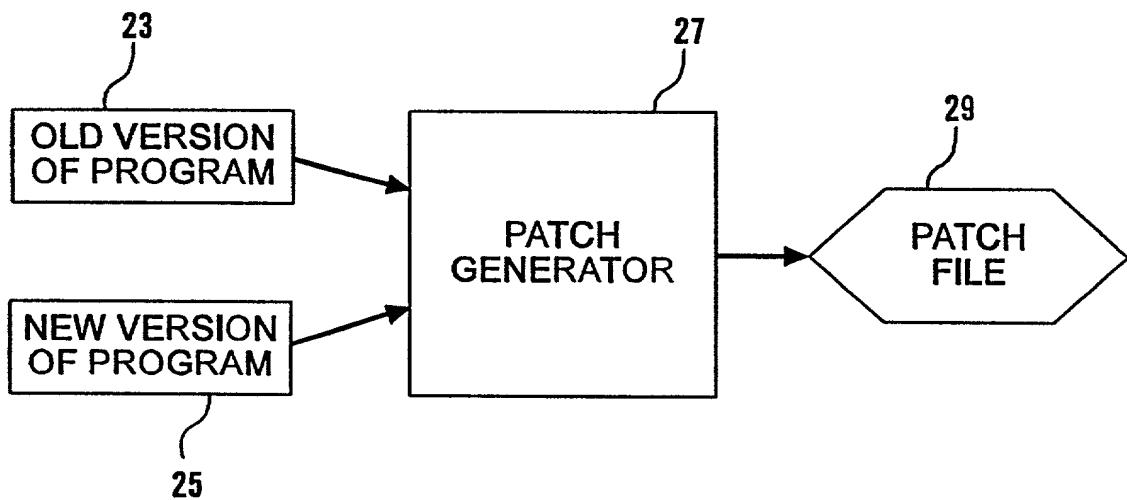


FIG. 2
PRIOR ART

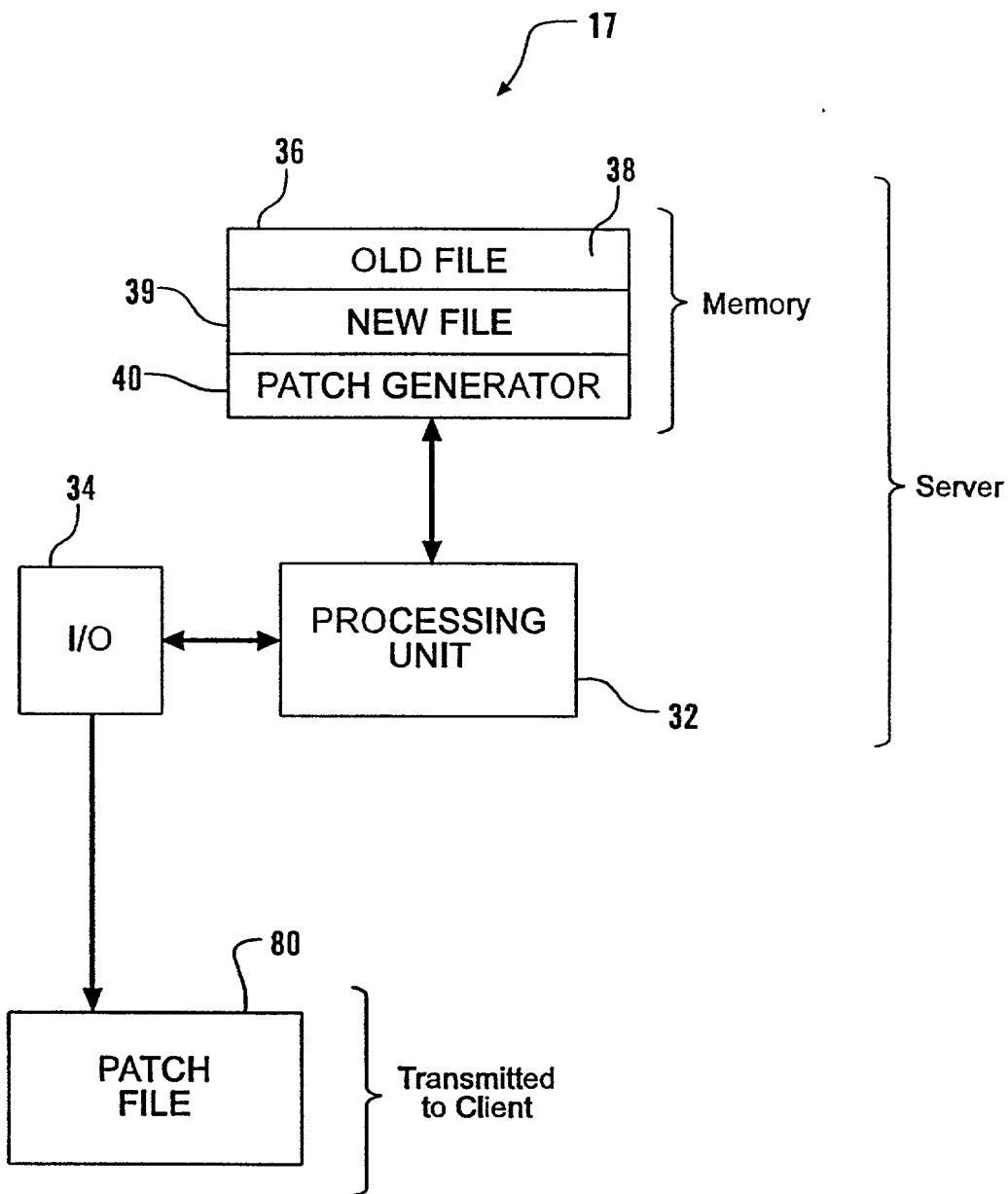


FIG. 3

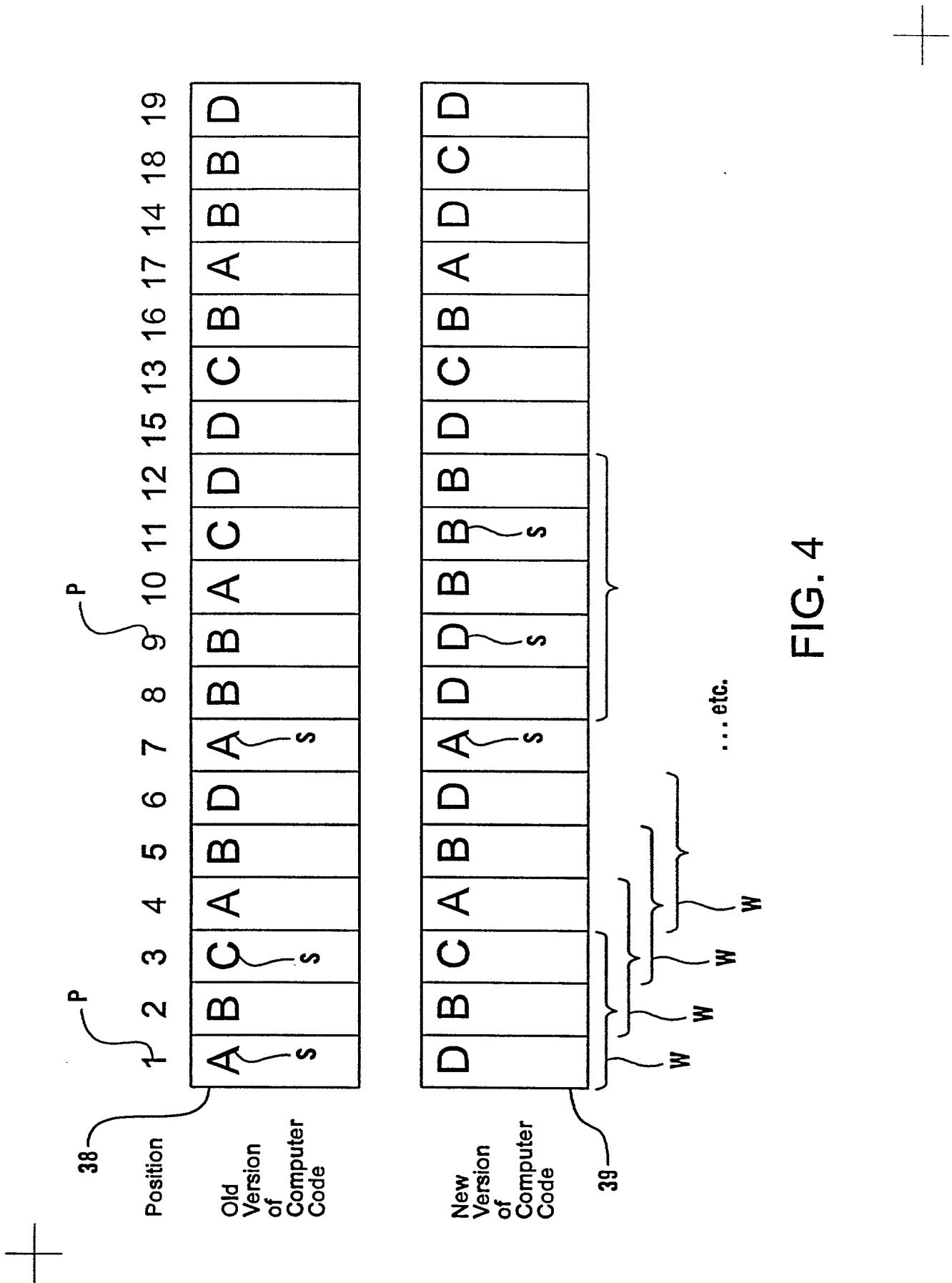


FIG. 4

First List
(Old Version
of Computer
Code):

Second List
(New Version
of Computer
Code):

Word	Position	Word	Position	
ABC	1	52	DBC	1
BCA	2		BCA	2
CAB	3		CAB	3
ABD	4		ABD	4
BDA	5		BDA	5
DAB	6		DAD	6
ABB	7		ADD	7
BBA	8		DDB	8
BAC	9		DBB	9
ACD	10		BBB	10
CDD	11		BBD	11
DDC	12		BDC	12
DCB	13		DCB	13
CBA	14		CBA	14
BAB	15		BAD	15
ABB	16		ADC	16
BBD	17		DCD	17

FIG. 5

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First Sorted List of Code:

Second Sorted List of Code:

Line Number	Word	Offset (P_{1st})	Word	Offset (P_{2nd})
1	ABB	7	ABD	4
2	ABB	16	ADC	16
3	ABC	1	ADD	7
4	ABD	4	BAD	15
5	ACD	10	BBB	10
6	BAB	15	BBD	11
7	BAC	9	BCA	2
8	BBA	8	BDA	5
9	BBD	17	BDC	12
10	BCA	2	CAB	3
11	BDA	5	CBA	14
12	CAB	3	DAD	6
13	CBA	14	DBB	9
14	CDD	11	DBC	1
15	DAB	6	DCB	13
16	DCB	13	DCD	17
17	DDC	12	DDB	8

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57

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FIG. 6

Current Line Number in First List	Current Line Number in Second List	Relation Between Current Words (" $<$ ", " $>$ " or " $=$ ")
1	1	$<$
2	1	$<$
3	1	$<$
4	1	$= (ABD)$
5	2	$<$
6	2	$>$
6	3	$>$
6	4	$<$
7	4	$<$
8	4	$<$
8	5	$<$
9	5	$<$
9	6	$= (BBD)$
10	7	$= (BCA)$
11	8	$= (BDA)$
12	9	$>$
12	10	$= (CAB)$
13	11	$= (CBA)$
14	12	$<$
15	12	$<$
16	12	$>$
16	13	$>$
16	14	$>$
17	15	$= (DCB)$
17	16	$>$
17	17	$>$

FIG. 7

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Word	ABD	BBD	BCA	BDA	CAB	CBA	DCB
Max Coincidence Block Length	*	3	6	*	*	*	4
Old File Offset	*	17	2	*	*	*	13
New File Offset	*	11	2	*	*	*	13

FIG. 8

Max Coincidence Block Length	3	6	4
Old File Offset	17	2	13
New File Offset	11	2	13

FIG. 9

Max Coincidence Block Length	6	3	4
Old File Offset	2	17	13
New File Offset	2	11	13

FIG. 10

End of Block + 1 in the New File	8	14	17
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FIG. 11

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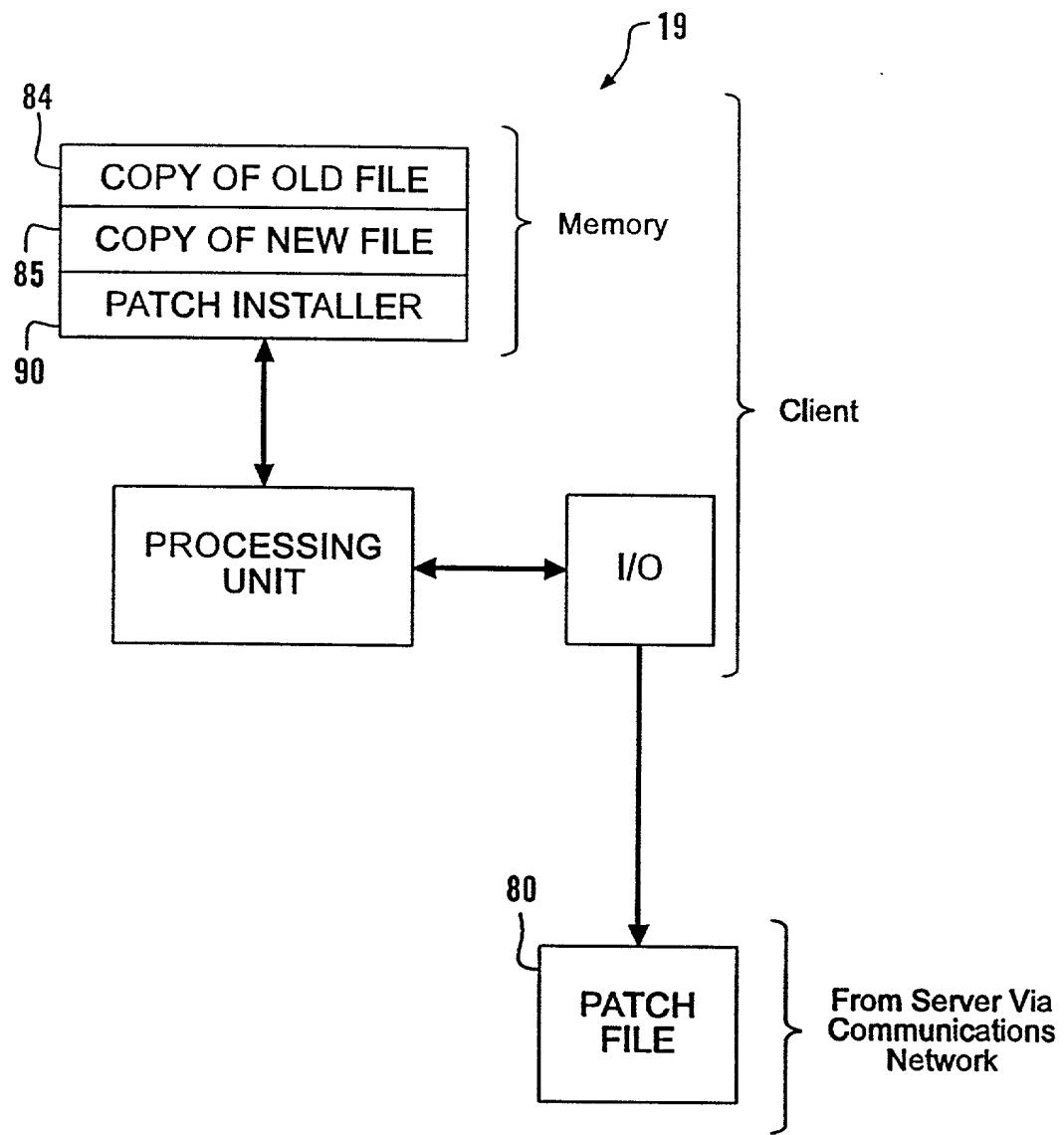


FIG. 12

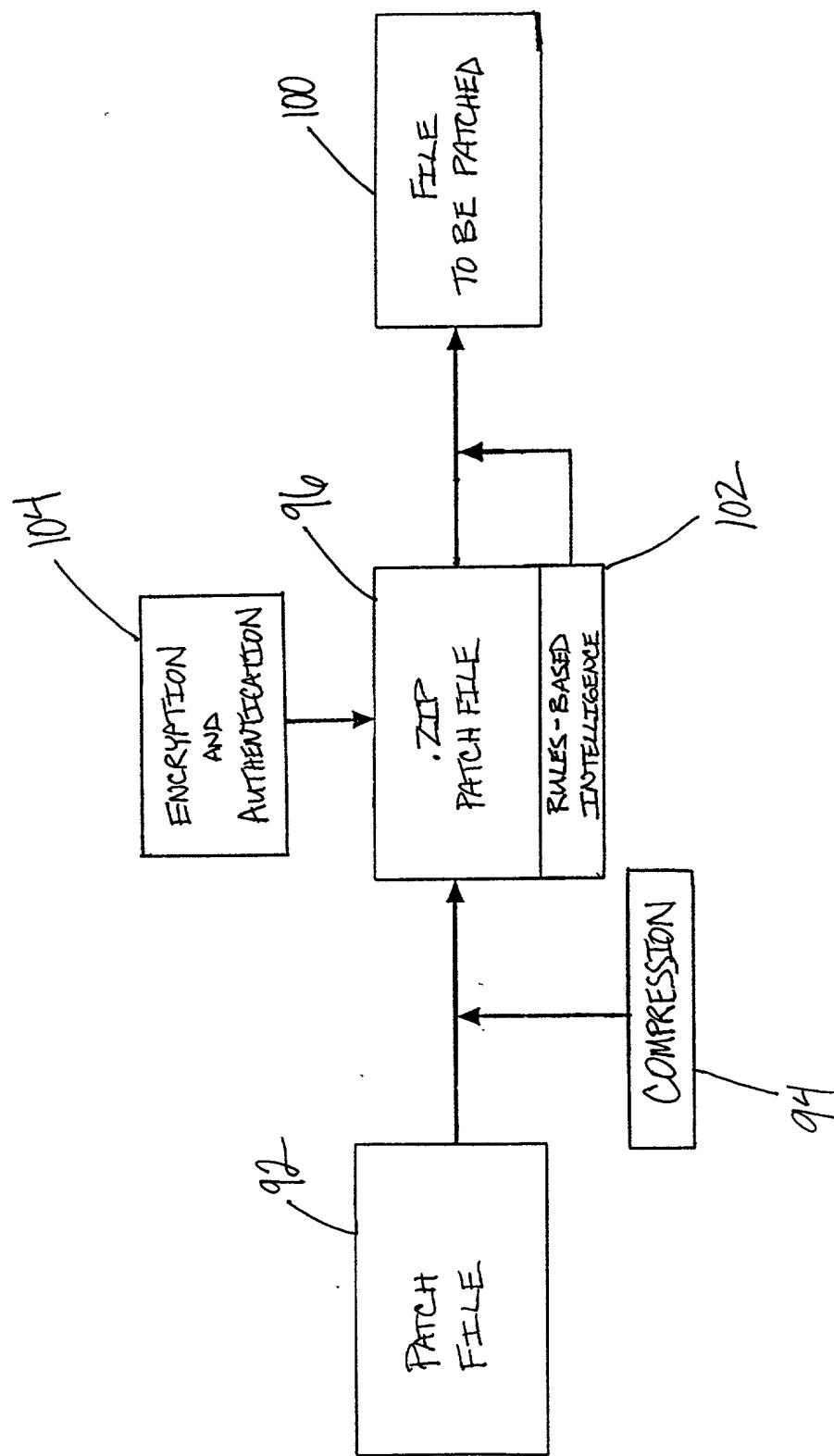


FIG. 13

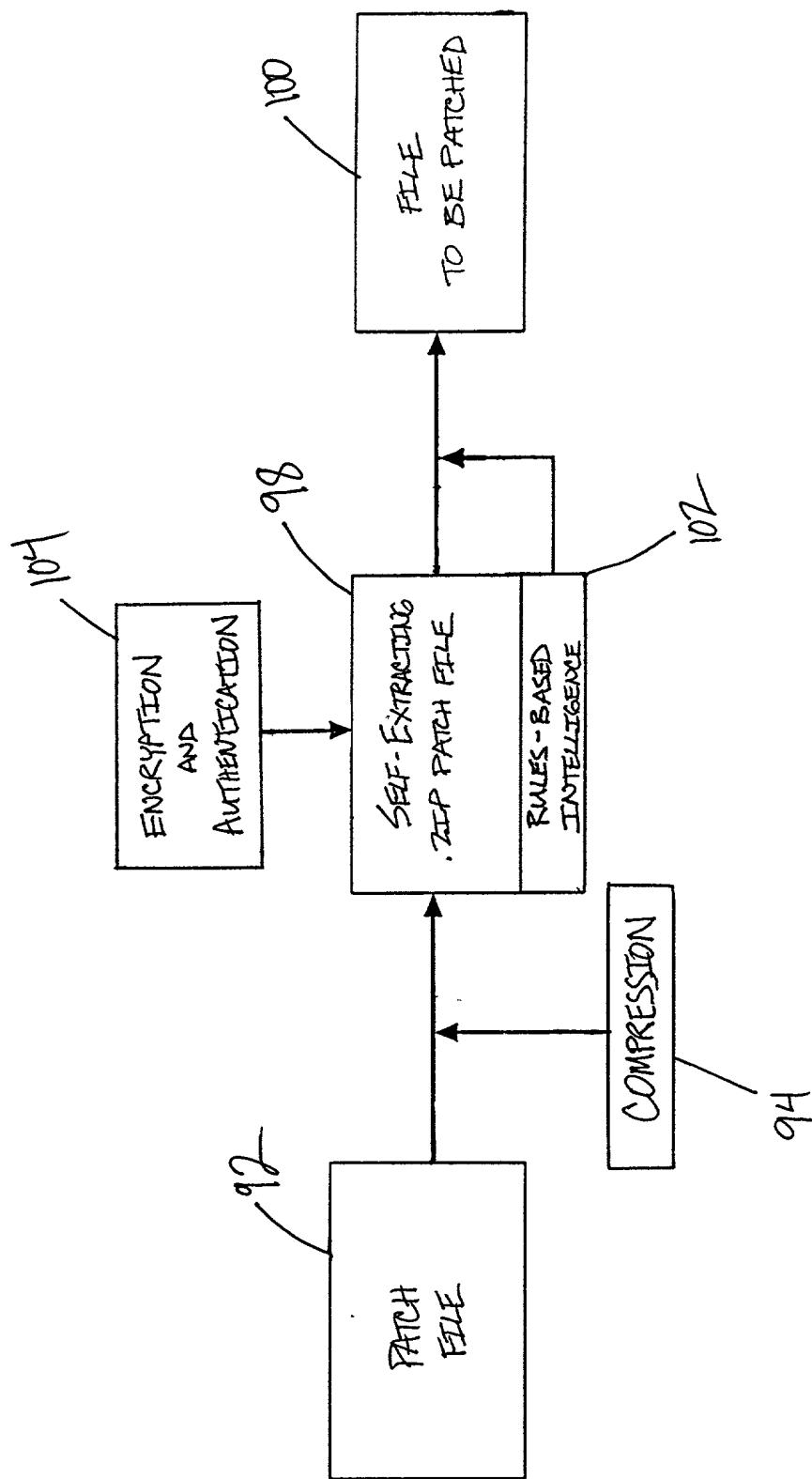


FIG. 14